

Search update

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L5 | 2 | ("20040013145").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/30 10:02 |
| L9 | 132 | 372/45.012.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/30 11:30 |
| L10 | 17 | L9 and tunnel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/30 11:31 |
| L11 | 115 | L9 not L10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/30 11:41 |
| S35 | 15 | ((("5528071") or ("5818863") or ("5800630") or ("6052398") or ("6653158") or ("6010937") or ("5805624")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/22 10:39 |
| S36 | 19 | ("5659180" "5679963" "5724374" "5729566" "5805624" "5825796" "5882948" "5903586" "5912913" "5943357" "5943359" "5956363" "5960018" "5978398" "6049556" "6052398" "6061381" "6493372" "6493373").PN. OR ("6888873").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 11:30 |
| S37 | 232 | "372".clas. and (tunnel near2 (junction or layer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 08:17 |
| S38 | 26 | S37 and ((AlAs or AsAl or (aluminum near3 arsenide) or aluminum?arsenide) same (InAs or AsIn or (indium near3 arsenide) or indium?arsenide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 08:18 |

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| S39 | 1 | S37 and ((SiAs or AsSi or (silicon near3 arsenide) or silicon?arsenide) same (AlGaInAs or InAsAlGa or (aluminum near3 gallium near3 indium near3 arsenide) or indium?arsenide?aluminum?gallium or aluminum?gallium?indium?arsenide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 08:20 |
| S40 | 206 | S37 not (S38 or S39) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/22 11:59 |
| S41 | 54 | (doping near2 (modulation or digital or delta)) and (tunnel near2 (junction or layer)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/23 11:05 |
| S42 | 11 | "372".clas. and sias | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/22 16:12 |
| S43 | 11 | "372".clas. and "sias" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/22 16:12 |
| S44 | 0 | S43 not S42 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/22 16:13 |
| S45 | 282 | "372".clas. and (tunnel\$4 near2 (junction or layer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 12:43 |
| S46 | 50 | S45 not S37 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/22 16:25 |
| S47 | 10 | ("4568958" "4695857" "4745447" "4829346" "4885614" "5048036" "5049951" "5060030" "5081511" "5111255").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/23 08:15 |

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| S48 | 2 | ("4,179,702").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/23 08:15 |
| S50 | 20182 | (tunnel\$4 near2 (junction or layer or barrier)) not "372".clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 08:18 |
| S51 | 228 | S50 and ((AlAs or AsAl or (aluminum near3 arsenide) or aluminum?arsenide) same (InAs or AsIn or (indium near3 arsenide) or indium?arsenide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 08:22 |
| S52 | 20182 | (tunnel\$4 near2 (junction or layer or barrier)) not "372".clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 10:44 |
| S53 | 10 | S52 and ((SiAs or AsSi or (silicon near3 arsenide) or silicon?arsenide) same (AlGaInAs or InAsAlGa or InAlGaAs or (aluminum near3 gallium near3 indium near3 arsenide) or indium?arsenide?aluminum?gallium or aluminum?gallium?indium?arsenide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 10:46 |
| S54 | 282 | ((modulat\$4 or digit\$3) near3 dop\$4) or (digit\$3 near2 allo\$3)) and (AlInAs or InAlAs or (indium near2 aluminum near2 arsenide) or indium?aluminum?arsenide or aluminum?indium?arsenide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 10:51 |
| S55 | 65 | S54 and (tunnel\$3 near2 (junction or layer or barrier)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 10:51 |
| S56 | 107 | (dop\$4 near2 (modulat\$4 or digit\$3)) and (tunnel near2 (junction or layer or barrier)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/23 11:50 |
| S57 | 201 | S54 not S55 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/23 11:17 |

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| S58 | 138 | ((dop\$4 near2 (modulat\$4 or digit\$3)) or (digital near2 alloy)) and (tunnel near2 (junction or layer or barrier)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 11:51 |
| S59 | 31 | S58 not S56 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 11:51 |
| S60 | 7 | ("4961194" "4982248" "5412231" "5455441").PN. OR ("5856681").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/23 12:31 |
| S61 | 283 | "372".clas. and (tunnel\$4 near2 (junction or layer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/23 12:43 |
| S62 | 4 | ((("6472695") or ("20040013143")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/29 12:50 |
| S63 | 107 | 257/28.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/29 12:51 |
| S64 | 468 | 257/22.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/29 12:51 |
| S65 | 21 | S63 and (alinas or inalas or alas or inas) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/29 13:59 |
| S66 | 86 | S63 not S65 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/29 13:50 |
| S67 | 189 | S64 and (alinas or inalas or alas or inas) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/29 13:59 |

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| S68 | 14 | ("4591889" "4983540" "5070375" "5073893").PN. OR ("5436468"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/29 14:43 |
| S69 | 251 | S64 not S67 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/29 14:43 |

Int. Sub

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L12 | 1 | ((tunnel\$3 near2 junction) and modulation and dop\$3 and (digital near2 alloy)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/30 11:42 |